

ABSTRACT

A plurality of signals are received in a shared spectrum. Samples of the received user signals are produced as a received vector. The received vector is segmented into a plurality of segments. For each segment, successively determining symbols for each user or group of signals (the group of signals having similar received power) by determining symbols for one user/group and removing a contribution of that one user/group from the received vector. The determined symbols corresponding to each segment are assembled into a data vector.